

ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9104080188 DOC.DATE: 91/04/01 NOTARIZED: YES DOCKET #
 FACIL: 50-331 Duane Arnold Energy Center, Iowa Electric Light & Pow 05000331
 AUTH.NAME AUTHOR AFFILIATION
 MINECK, D.L. Iowa Electric Light & Power Co.
 RECIP.NAME RECIPIENT AFFILIATION
 MURLEY, T.E. Office of Nuclear Reactor Regulation, Director (Post 870411)

SUBJECT: Application for amend to license DPR-49, replacing numerical limits for special nuclear material, source & byproduct materials.

DISTRIBUTION CODE: A001D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 6
 TITLE: OR Submittal: General Distribution

NOTES:

	RECIPIENT ID CODE/NAME	COPIES	LTR	ENCL	RECIPIENT ID CODE/NAME	COPIES	LTR	ENCL
	PD3-3 LA	1		1	PD3-3 PD	1		1
	HALL, J.R.	2		2				
INTERNAL:	ACRS	6		6	NRR/DET/ECMB 9H	1		1
	NRR/DET/ESGB	1		1	NRR/DOEA/OTSB11	1		1
	NRR/DST 8E2	1		1	NRR/DST/SELB 8D	1		1
	NRR/DST/SICB 7E	1		1	NRR/DST/SRXB 8E	1		1
	NUDOCS-ABSTRACT	1		1	OC/LFMB	1		0
	OGC/HDS2	1		0	REG FILE 01	1		1
	RES/DSIR/EIB	1		1				
EXTERNAL:	NRC PDR	1		1	NSIC	1		1

NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK,
 ROOM P1-37 (EXT. 20079) TO ELIMINATE YOUR NAME FROM DISTRIBUTION
 LISTS FOR DOCUMENTS YOU DON'T NEED!

TOTAL NUMBER OF COPIES REQUIRED: LTR 24 ENCL 22

R
I
D
S
/
A
D
D
S

Iowa Electric Light and Power Company

April 1, 1991

NG-91-0198

Dr. Thomas E. Murley, Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

Subject: Duane Arnold Energy Center
Docket No: 50-331
Op. License No: DPR-49
Request for Operating License Amendment (RTS-237)
"Change to Facility Operating License Section 2.B"
File: A-117

Dear Dr. Murley:

In accordance with the Code of Federal Regulations, Title 10, Sections 50.59 and 50.90, Iowa Electric Light and Power Company hereby requests revision of Operating License DPR-49 for the Duane Arnold Energy Center (DAEC).

The purpose of the proposed change is to replace the numerical limits for special nuclear material, source and byproduct materials with a more generalized description. This description is consistent with guidance provided to licensees by the Nuclear Regulatory Commission (NRC) subsequent to the 1975 amendment of the Operating License for the DAEC which incorporated the language we now seek to revise.

This application has been reviewed by the DAEC Operations Committee and the DAEC Safety Committee. Pursuant to the requirements of 10 CFR 50.91, a copy of this submittal, including the no significant hazards consideration analysis, is being forwarded to our appointed state official.

9104080188 910401
PDR ADOCK 05000331
PDR

Aool
11

Dr. Thomas E. Murley
April 1, 1991
NG-91-0198
Page 2

This letter is true and accurate to the best of my knowledge and belief.

IOWA ELECTRIC LIGHT AND POWER COMPANY

By *Daniel L. Mineck*
DANIEL L. MINECK
Manager, Nuclear Division

State of Iowa
(County) of Linn

Signed and sworn to before me on this 1st day of April, 1991,
by *Daniel L. Mineck*.

Hellen M. Furman
Notary Public in and for the State of Iowa
September 28, 1992
Commission Expires

DLM/PMB/pjv+

Attachments: 1) Evaluation of Change with Respect to 10 CFR 50.92
2) Draft Amendment
3) Safety Analysis

cc: P. Bessette
L. Liu
L. Root
R. McGaughy
S. Sands (NRC-NRR)
A. Bert Davis (Region III)
J. EURE (STATE OF IOWA)
NRC Resident Office
Commitment Control: A90479

EVALUATION OF CHANGE WITH RESPECT TO 10 CFR 50.92

Background:

In a letter from the Atomic Energy Commission to Iowa Electric Light and Power Company, dated December 16, 1974, the Commission recommended changes to existing Operating Licenses. Specifically, the Commission noted that a more generalized license provision regarding the possession of source, byproduct and special nuclear material rather than a separate listing of each item, would eliminate frequent license amendments for any change in licensed materials. Amendment 9 to our Operating License, issued 6/3/75, incorporated this more generalized approach.

Subsequent to the issuance of Amendment 9, the Commission recommended an even more generalized approach to license provisions concerning the possession of source, byproduct, and special nuclear materials. This new approach eliminated altogether the numerical possession limits contained in the license and remains the standard for possession license provision.

The proposed change to our Operating License would incorporate the now-standard wording regarding the receipt, possession and use of byproduct, source and special nuclear materials.

Iowa Electric Light and Power Company, Docket No. 50-331,
Duane Arnold Energy Center, Linn County, Iowa
Date of Amendment Request: April 1, 1991

By our submittal dated April 1, 1991, Iowa Electric Light and Power Company proposes to replace sections 2.B(4) and 2.B(5) of the DAEC Operating License with the now-standard wording regarding the possession of byproduct, source and special nuclear material. Currently, section 2.B(4) limits the amount of byproduct material which may be possessed for use in sample analysis or instrument calibration or associated with radioactively contaminated apparatus to 100 millicuries of each material. Section 2.B(5) currently limits the amount of source or special nuclear material which may be possessed for used in sample analysis or instrument calibration or associated with radioactively contaminated apparatus to 100 milligrams of each material.

The requested change would delete these two requirements and replace them with one section which allows the receipt, possession and use of byproduct, source and special nuclear material in amounts as required. This revised wording is identical to that used for licensees issued after approximately 1975.

Basis for proposed no significant hazards consideration determination:
The Commission has provided standards (10 CFR 50.92(c)) for determining whether a significant hazards consideration exists. A proposed amendment to an operating license for a facility involves no significant hazards consideration if operation of the facility in accordance with the proposed amendment would not (1) involve a significant increase in the probability or consequences of an accident previously evaluated; (2) create the possibility of a new or different kind of accident from any accident

previously evaluated; or (3) involve a significant reduction in a margin of safety.

- 1) This proposed amendment does not involve a significant increase in the probability or consequences of an accident previously evaluated.

The proposed change to the Operating License is administrative in nature and only replaces specific descriptions of special nuclear, source and byproduct material which appear in the license with a more-general description. The simplified format is consistent with wording contained in Operating Licenses issued after approximately 1975. No changes are proposed to the Technical Specifications. The requirements of 10 CFR 30, 40 and 70 must still be met. Therefore, the proposed change cannot increase the probability or consequences of a previously evaluated accident.

- 2) This proposed amendment does not create the possibility of a new or different kind of accident from any previously evaluated.

The purpose of the proposed change is to revise the Operating License to incorporate the now-standard language regarding special nuclear, source and byproduct material. The proposed change does not affect the function or operation of any equipment which could cause a new or different kind of accident. No changes are proposed which affect the Technical Specifications. The requirements of 10 CFR 30, 40 and 70 must still be met. Therefore, the proposed change does not create the possibility of a new or different kind of accident.

- 3) This proposed amendment does not involve a significant reduction in a margin of safety.

The proposed change is administrative in nature. The revised language, while more general, still provides the degree of specificity necessary to assure plant activities are conducted without reducing any margins of safety. No changes are proposed which affect the Technical Specifications or direct operation of the DAEC. The requirements of 10 CFR 30, 40, and 70 must still be met. Therefore, the proposed change will not involve a reduction in any margin of safety.

Based on the above, we conclude that the Amendment does not involve a significant hazards consideration.

Local Public Document Room Location: Cedar Rapids Public Library, 500 First Street SE, Cedar Rapids, Iowa 52401

Attorney for Licensee: Jack Newman, Kathleen H. Shea, Newman and Holtzinger, 1615 L Street NW, Washington, DC 20036

IOWA ELECTRIC LIGHT AND POWER COMPANY
CENTRAL IOWA POWER COOPERATIVE
CORN BELT POWER COOPERATIVE
DOCKET NO. 50-331
DUANE ARNOLD ENERGY CENTER
AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. _____
License No. DPR-49

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - a. The application for amendment by Iowa Electric Light and Power Company, et al, dated March 8, 1991, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - b. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - c. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations.
 - d. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - e. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended as follows:
 - a. Revise paragraph 2.B(4) to read:
 - (4) IEL&P, pursuant to the Act and 10 CFR 30, 40, and 70 to receive, possess and use in amounts as required any byproduct, source or special nuclear material without restriction to chemical or physical form, for sample analysis or instrument calibration or associated radioactive apparatus components.
 - b. Delete paragraph 2.B(5) and renumber paragraph 2.B(6) accordingly.
3. This license amendment is effective as of the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

John N. Hannon, Director
Directorate III-3
Division of Reactor Projects - III/II/V
and Special Projects

Date of Issuance: _____

SAFETY ANALYSIS

1. INTRODUCTION

By letter dated April 1, 1991, we propose to modify the Operating License for the Duane Arnold Energy Center (DAEC) to delete the specific limits for special nuclear, source and byproduct material and replace them with a more generalized provision. The revised wording is identical to that contained in Operating Licenses issued after 1975.

2. Evaluation

We propose, by submittal referenced above, to replace specific descriptions of special nuclear, source and byproduct material which appear in the license with a generalized description found acceptable by the Staff. We have reviewed the revised license language and found that it provides the degree of specificity necessary to assure that plant activities can be conducted without endangering the health and safety of the public. The changes merely simplify the language and help to avoid unnecessary license amendments in the future. We conclude that the revised wording provides reasonable assurance that radioactive material will be received, stored and used in a manner necessary to meet the applicable provisions of 10 CFR 30, 40 and 70.

Based on the above information, we conclude that this request is acceptable.